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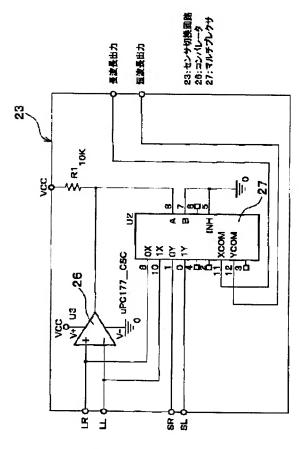
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TITLE : DEVICE FOR DETECTING

BIOINFORMATION



ABSTRACT :

PROBLEM TO BE SOLVED: To suppress increase in cost with increase in the number of sensors in a device for detecting bioinformation in which sphygmogram is detected by using sensor output signals.

SOLUTION: The device for detecting bioinformation has a plurality of sensors equipped with a light-emitting means for irradiating the blood vessels in a detection area with a sensor light, a light receiving means for receiving a reflection light from the blood vessels and outputting signals in accordance with the amount of received light, and detects hemoglobin flow in blood based on output signal from each sensor. This device for detecting bioinformation is provided with a sensor switching circuit 23 which has a comparator 26 for comparing the output values of the output signals of respective sensors to each other and selects the output signals having lower voltage, and also has a multiplexer 27 for outputting only the output signals of the sensor outputting the output signals selected by the comparator 26. The sensor switching circuit 23 decreases the number of input signals or signal lines to a microcomputer and the number of signal lines, thus modification of the microcomputer caused by deficiency of the number of input ports and increase in the load of processing becomes unnecessary and cost increase with increase in the number of sensors can be suppressed.

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